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(11)

EP 0 949 278 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.09.2000 Bulletin 2000/37

(51) Int. Cl.⁷: **C08F 10/00, C08F 4/603**

(43) Date of publication A2:
13.10.1999 Bulletin 1999/41

(21) Application number: **99201939.8**

(22) Date of filing: **27.01.1988**

(84) Designated Contracting States:
AT BE DE ES FR GB IT LU NL SE

(30) Priority: **30.01.1987 US 8800**
22.12.1987 US 133480

(62) Application number of the earlier application in
accordance with Art. 76 EPC: **91113752.9**

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(54) **Polymeric product produced with catalyst comprising an ion pair**

(57) Polymeric product produced by
polymerising α -olefins, diolefins and/or acetylenically
unsaturated monomers with a catalyst comprising an ion
pair comprising an anion of the
formula $[(M')_m Q_1 Q_2 \dots Q_n]^{d-}$ wherein:

M' is boron or aluminium;

Q_1 to Q_n are selected independently from the group
consisting of hydride radicals, dialkylamido

radicals, alkoxide and aryloxy radicals,
hydrocarbyl and substituted hydrocarbyl radicals
and organometalloid radicals and any one, but no
more than one of the Q_1 to Q_n may be a halide
radical - the remaining Q_1 to Q_n being independently
selected from the foregoing radicals;

m is an integer from 1 to 7; n is an integer from 2
to 8; and $n-m = d$,

the anion containing substituted aromatic carbons and
being fluorine substituted so as to resist degradation.

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EUROPEAN SEARCH REPORT

Application Number
EP 99 20 1939

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	JORDAN R F ET AL: "ETHYLENE POLYMERIZATION BY A CATIONIC DICYCLOPENTADIENYLZIRCONIUM (IV) ALKYL COMPLEX" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, US, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, vol. 108, 1 January 1986 (1986-01-01), pages 7410-7411, XP002019566 ISSN: 0002-7863 * page 7411, column 2, paragraph 2 *	1-4	C08F10/00 C08F4/603
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C08F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 June 2000	Examiner Fischer, B
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P4/C31)